

# WEST Search History

DATE: Friday, July 18, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set

*DB=DWPI; PLUR=YES; OP=OR*

L2	L1 and glycidyl\$	36	L2
L1	golf\$	23737	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 11:16:40 ON 18 JUL 2003)

FILE 'REGISTRY' ENTERED AT 11:16:47 ON 18 JUL 2003

L1 15525 S 106-91-2/CRN  
L2 1303 S 106-90-1/CRN  
L3 681 S 74-85-1/CRN AND (L1 OR L2)

FILE 'CA' ENTERED AT 11:17:25 ON 18 JUL 2003

L4 32 S GOLF? AND L3  
L5 35 S GOLF? AND (L1 OR L2)  
L6 3 S L5 NOT L4

L Number	Hits	Search Text	DB	Time stamp
1	1460	((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.	USPAT; US-PGPUB	2003/07/18 13:06
2	30	(((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$	USPAT; US-PGPUB	2003/07/18 13:06
3	8	(((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$) and glycidyl\$	USPAT; US-PGPUB	2003/07/18 13:10
4	22	(((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$) not (((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$) and glycidyl\$)	USPAT; US-PGPUB	2003/07/18 13:13
5	962	((473/378) or (473/374) or (473/373)).CCLS.	USPAT; US-PGPUB	2003/07/18 13:13
6	61	(((473/378) or (473/374) or (473/373)).CCLS.) and glycidyl\$	USPAT; US-PGPUB	2003/07/18 13:13
7	58	(((473/378) or (473/374) or (473/373)).CCLS.) and glycidyl\$) not (((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$)	USPAT; US-PGPUB	2003/07/18 13:35
8	11165	golf\$[ab]	USPAT; US-PGPUB	2003/07/18 13:35
9	118	golf\$[ab] and glycidyl\$	USPAT; US-PGPUB	2003/07/18 13:35
10	54	(golf\$[ab] and glycidyl\$) not (((((473/378) or (473/374) or (473/373)).CCLS.) and glycidyl\$) not (((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$) or (((473/378) or (473/374) or (473/373)).CCLS.) and glycidyl\$) or (((525/176) or (525/173) or (525/130) or (525/182) or (525/208)).CCLS.) and golf\$))	USPAT; US-PGPUB	2003/07/18 13:36

L4 ANSWER 19 OF 32 CA COPYRIGHT 2003 ACS  
 AN 130:197426 CA  
 TI Compositions comprising an amide block copolymer or rubber and an ionomer  
 for **golf** ball covers, and **golf** balls therefrom for  
 increased distance and improved spin  
 IN Kim, Hyun; Snell, Dean; Renard, Philippe; Vincent, Benoit  
 PA Taylor Made Golf Co., Inc., USA  
 SO PCT Int. Appl., 81 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A63B037-12  
 ICS C08L033-02; C08L077-00  
 CC 37-6 (Plastics Manufacture and Processing)  
 Section cross-reference(s): 38, 39  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9908756	A1	19990225	WO 1998-US17231	19980820
	W: AU, GB, JP				
	AU 9889158	A1	19990308	AU 1998-89158	19980820
	GB 2343123	A1	20000503	GB 2000-4076	19980820
	JP 2003504089	T2	20030204	JP 2000-509491	19980820
PRAI	US 1997-915081	A	19970820		
	US 1998-70497P	P	19980105		
	WO 1998-US17231	W	19980820		

AB Title compn. comprises an amide block copolymer or rubber having Shore D hardness  $\geq$  40, an ionomer having a hardness greater than the hardness of the amide block copolymer or rubber, and, optionally, a compatibilizer. The resp. amts. of amide block copolymer or rubber and ionomer depend upon the desired cover hardness. Thus, a **golf** ball having a 1.55 in. polybutadiene core (PGA compression 70) and a single-layer cover comprising 90% Pebax 2533 (Shore D hardness 25) and 10% Surlyn AD 8546 (Li salt, Shore D hardness 66, elongation 275%) had PGA compression 68, cover Shore D hardness 37, driver spin 4440 rpm, drive velocity 153.2 mph, driver distance 252 yd, and 8-iron spin 9850 rpm, compared with 66, 44, 3565, 254.3, 252, and 8200, resp., for a coating contg. Suryln 8320 instead of Pebax 2533, and 87, 48, 4625, 160.5, 258, and 9600, resp., for a balata cover.

ST polyamide rubber ionomer blend **golf** ball; **golf** ball cover ionomer polyamide blend

IT **Golf** balls  
 (compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Polymer blends  
 RL: DEV (Device component use); USES (Uses)  
 (compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Ionomers  
 RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses)  
 (compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Butadiene rubber, uses  
 RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses)

(core; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Synthetic rubber, uses  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (ethylene-glycidyl methacrylate-Me acrylate, compatibilizer, Lotader

AX 8900; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Polyethers, uses  
Polyethers, uses  
Polyethers, uses  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (polyamide-polyester-, block, elastomeric; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Synthetic rubber, uses  
Synthetic rubber, uses  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (polyamide-polyester-polyether, block; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Polyesters, uses  
Polyesters, uses  
Polyesters, uses  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (polyamide-polyether-, block, elastomeric; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Polyester rubber  
Polyester rubber  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (polyamide-polyether-, block; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT Polyamides, uses  
Polyamides, uses  
Polyamides, uses  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (polyester-polyether-, block, elastomeric; compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT 9003-17-2  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (butadiene rubber, core; compns. comprising an amide block copolymer or  
rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT 25608-26-8, Surlyn 8140 28516-43-0, Surlyn 9120 75062-18-9, Surlyn AD 8552 168679-80-9, Surlyn 7930 220786-79-8, Surlyn AD 8546  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (compns. comprising an amide block copolymer or rubber and an ionomer for **golf** ball covers, and **golf** balls therefrom for increased distance and improved spin)

IT 51541-08-3, Ethylene-glycidyl methacrylate-methyl acrylate copolymer  
RL: DEV (Device component use); POF (Polymer in formulation); USES (Uses) (rubber, compatibilizer; compns. comprising an amide block copolymer or  
rubber and an ionomer for **golf** ball covers, and **golf**

RE.CNT 2 balls therefrom for increased distance and improved spin)  
RE THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD